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## Patent Abstracts of Japan

PUBLICATION NUMBER : 08045066  
PUBLICATION DATE : 16-02-96

APPLICATION DATE : 29-07-94  
APPLICATION NUMBER : 06178656

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INT.CL. : G11B 5/72 G11B 5/66 // C07F 9/09  
C07F 9/38 C07F 9/50 C07F 9/53  
C10M137/04 C10M137/12

TITLE : MAGNETIC RECORDING MEDIUM



I



II

ABSTRACT : PURPOSE: To improve the running performance, durability and preservable property of a ferromagnetic metallic thin film type magnetic recording medium by allowing at least two kinds of phosphorus compds. represented by specified formulae to exist on a ferromagnetic metallic thin film.

CONSTITUTION: At least one of phosphorus compds. each having a short carbon chain represented by general formulae I and at least one of phosphorus compds. each having a long carbon chain represented by general formulae II are allowed to exist on a ferromagnetic metallic thin film. In the formulae I, II, each of  $R_1$ - $R_4$  is a 4-10C fluorohydrocarbon or hydrocarbon chain, each of  $R_5$ - $R_8$  is a 14-21C fluorohydrocarbon or hydrocarbon chain, each of  $X_1$ ,  $X_2$ ,  $X_5$ ,  $X_6$ ,  $Y_2$ ,  $Y_4$ ,  $Y_6$  and  $Y_8$  is O, S or N, (n) is an integer of 1-3 and each of  $M_1$ - $M_8$  is H, an alkali metal, ammonium or prim. to quat. alkylammonium. A tough protective film is formed and the running performance, durability and preservable property of the resultant medium are improved.

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